

Well Name: JICARILLA APACHE A	Well Location: T25N / R5W / SEC 24 / NWSE / 36.382608 / -107.307981	County or Parish/State: RIO ARRIBA / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC9	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003905910	Well Status: Producing Gas Well	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2675069

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 06/06/2022	Time Sundry Submitted: 10:53
Date proposed operation will begin: 06/06/2022	

Procedure Description: This request is being submitted for engineering & geological review prior to onsite inspection as approved by Dave M. of the BLM. DJR Operating, LLC requests permission to Plug & Abandon the subject well according to the attached Procedure, Current & Proposed Wellbore Diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

NOI_PA_BLM_Submittal_20220606105336.pdf

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Conditions of Approval

Additional

2675069_NOIA_A_2_3003905910_KR_06242022_20220624164313.pdf
General_Requirement_PxA_20220624164254.pdf
24N05W24JKc_Jicarilla_Apache_A_2_20220624152948.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAW-MARIE FORD	Signed on: JUN 06, 2022 10:53 AM
Name: DJR OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 1 Road 3263	
City: Aztec	State: NM
Phone: (505) 632-3476	
Email address: sford@djrlc.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Approved	Disposition Date: 06/24/2022
Signature: Kenneth Rennick	

Plug and Abandonment Procedure
for
DJR Operating, LLC
Jicarilla Apache A 2
API # 30-039-05910
NW/SE, Unit J, Sec. 24, T25N, R5W
Rio Arriba County, NM

1. Hold pre-job meeting, comply with all NMOCD, BLM and environmental regulations.
2. Check and record tubing, casing and bradenhead pressures.
3. Remove existing piping from casing valve, RU blow lines from casing valves and blow down casing pressure. Kill well as necessary. Ensure that well is dead or on a vacuum.
4. ND WH, NU BOP, function test BOP.
5. Release tubing from Baker Model D seal assembly. Trip out of hole with 2 3/8" tubing. LD tubing to be sent in for storage/salvage.
6. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 3970'. TOOH.
7. Plug 1: Chacra: TIH with CR and set near 3970'. Attempt to squeeze below CR with 15 sx. Sting out and spot plug on top of CR to bring TOC to 3950'. Pump water to ensure tubing is clear. TOOH.
8. Plug 2: Pictured Cliffs perfs: TIH with CR and set near 3120'. Pressure test tubing to 1000 psi. Sting out of CR. Roll hole Pressure test casing to 600 psi. Sting back into CR and attempt to squeeze below CR with 10 sx. TOOH
9. MIRU logging truck. Run CBL log from CR to surface. Hold 600 psi on casing if possible. Electronic copy of CBL to be sent to; Monica Kuehling, NMOCD mkuehling@state.nm.us, Kenneth Renneck, BLM krenneck@blm.gov, Scott Lindsay, DJR slindsay@djrlc.com, and Loren Diede, DJR ldiede@djrlc.com.
10. Plug 2. Pictured Cliffs and Fruitland tops: Spot cement from top of CR to 2883'. Pump water to ensure tubing is clear. TOOH.

11. Plug 3. Kirtland and Ojo Alamo: Perf holes at 1755'. Set CR near 1705'. Mix and pump sufficient volume to bring TOC to 1496' inside and outside. Pump water to ensure tubing is clear.
12. Plug 4. Nacimiento: Perf holes at 1415'. Set CR near 1365'. Mix and pump sufficient volume to bring TOC to 1315' inside and outside. Pump water to ensure tubing is clear.
13. Plug 5: Surface casing shoe and surface: Perf holes at 240'. Mix and pump sufficient volume to bring cement to surface inside and outside.
14. RD cementing equipment. Cut off wellhead, fill annuli with cement, as necessary.
Install SURFACE P&A marker as per BIA requirements. Record GPS coordinates for P&A marker and the final P&A report. Photograph the P&A marker and attach to the report.
15. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
16. Send all reports and attachments to DJR Aztec office for regulatory filings.

Note: All cement is to be Class G mixed at 15.8 ppg yield 1.15 cu. Ft. /sk. Cement volumes are based on inside capacities +50' and outside capacities + 100% excess.

Surface PxA marker is to be installed at surface, 12"x18", and exposed at the reclaimed GL surface.

DJR Operating, LLC
Current Wellbore Diagram
Jicarilla Apache A 2
API # 30-039-05910
NW/SE, Unit J, Sec 24, T25N, R5W
Rio Arriba County, NM

GL 6924'
KB 6936'
Spud Date 4/12/1956

SURF CSG

Hole size 12.25"
 Csg Size: 8.625"
 Wt: 24#
 Grade: N/A
 ID: 8.097"
 Depth 190'
 casing cap ft³/ft: 0.3575
 TOC: Circ. cement
 to surface

FORMATION TOPS

San Jose	Surface
Nacimiento	1365'
Ojo Alamo	2420'
Kirtland	2704'
Fruitland	2933'
Pictured Cliffs	3130'
Chacra	4000'

PROD CSG

Hole size 7.875"
 Csg Size: 5.5"
 Wt: 15.5/17#
 Grade: J-55
 ID: 4.950"
 Depth 4062'
 Casing cap ft³/ft: 0.1336
 Csq/csq Ann. ft³/ft: 0.1926
 Csq/OH ft³/ft: 0.1733
 TOC: 2145' (TS)

Production Tubing Detail

2-3/8" tubing landed at 3981'

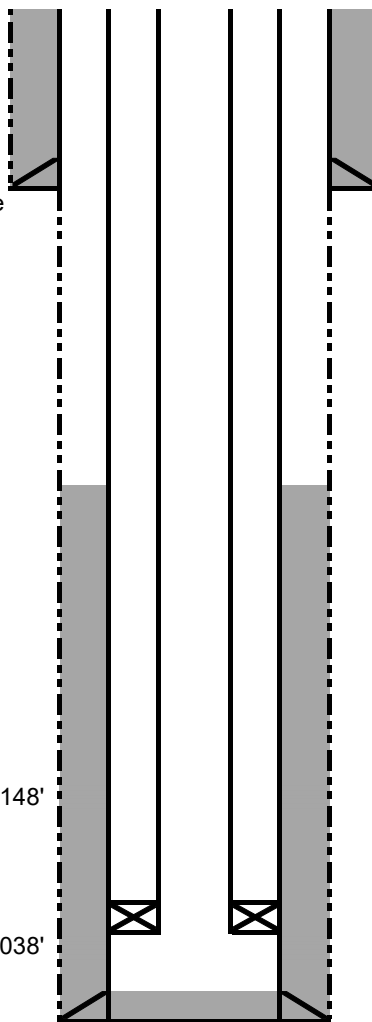
Pictured Cliffs perms 3132-3148'

Chacra perms 4016-4038'

PBTD 4045'
 TD 4075'

TOC 2145' (TS)

Baker Model D pkr at 3981'



DJR Operating, LLC
Proposed Wellbore Diagram
Jicarilla Apache A 2
API # 30-039-05910
NW/SE, Unit J, Sec 24, T25N, R5W
Rio Arriba County, NM

GL 6924'
 KB 6936'
 Spud Date 4/12/1956

SURF CSG

Hole size 12.25"
 Csg Size: 8.625"
 Wt: 24#
 Grade: N/A
 ID: 8.097"
 Depth 190'
 casing cap ft³/ft: 0.3575
 TOC: Circ. cement
 to surface

FORMATION TOPS

San Jose	Surface
Nacimiento	1365'
Ojo Alamo	1546'
Kirtland	1705'
Fruitland	2933'
Pictured Cliffs	3130'
Chacra	4000'

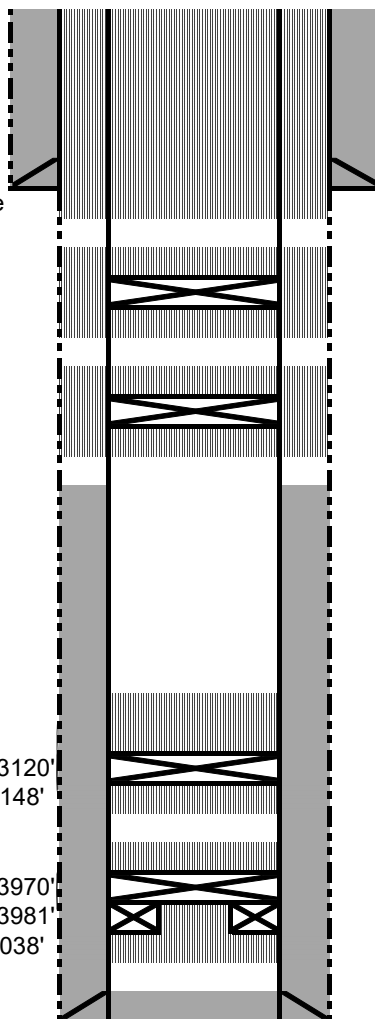
PROD CSG

Hole size 7.875"
 Csg Size: 5.5"
 Wt: 15.5/17#
 Grade: J-55
 ID: 4.950"
 Depth 4062'
 Casing cap ft³/ft: 0.1336
 Csg/csg Ann. ft³/ft 0.1926
 Csg/OH ft³/ft 0.1733
 TOC: 2145' (TS)

Cement Ret. 3120'
 Pictured Cliffs perfs 3132-3148'

Cement Ret. 3970'
 Baker Model D pkr at 3981'
 Chacra perfs 4016-4038'

PBSD 4045'
 TD 4075'



Plug 5: Surface casing shoe, surface: Perf holes at 240'. Mix and pump sufficient cement to bring TOC to surface, inside and outside.

Plug 4: Nacimiento: Perf holes at 1415'. Set CR near 1365'. Mix and pump sufficient volume to bring TOC to 1315' inside and outside.

Plug 3: Kirtland and Ojo Alamo: Perf holes at 1755'. Set CR near 1705'. Mix and pump sufficient volume to bring TOC to 1496' inside and outside.
 TOC 2145' (TS)

Plug 2: Pictured Cliffs and Fruitland: Set CR near 3120'. Squeeze below CR with 10 sx. Spot plug on top of from CR to bring TOC to 2883'.

Plug 1: Chacra: Set CR near 3970'. Attempt to pump 15 sx cement through CR. Spot plug on top of CR to bring TOC to 3950'.

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

AFMSS 2 Sundry ID 2675069

Attachment to notice of Intention to Abandon

Well: Jicarilla Apache A 2

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modifications to your plugging program are to be made:
 - a. Adjust cement volumes above the CR for Plug #2 to cover the interval from 3120' (CR depth) to 2370' so that BLM picks for the Ojo Alamo and Kirtland formation tops are covered.
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 6/24/2022

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

- 1.0 The approved plugging plans may contain variances from the following minimum general requirements.
- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.
 - 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured. (densometer/scales)
- 3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.
- 3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.
- 4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
- 4.1 The cement shall be as specified in the approved plugging plan.
 - 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.3 Surface plugs may be no less than 50' in length.
 - 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
 - 4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

(October 2012 Revision)

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 06/24/2022

Well No. Jicarilla Apache A #2 (API# 30-039-05910)		Location	2230	FNL	&	1950	FEL
Lease No. JIC9		Sec. 24	T25N			R05W	
Operator DJR Operating, LLC		County	Rio Arriba		State	New Mexico	
Total Depth 4075'	PBTD 4045'	Formation Chacra/Pictured Cliffs					
Elevation (GL) 6924'		Elevation (KB) 6936'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose			Surface	1365	Surface/possible freshwater sands
Nacimiento			1365	2420	Possible freshwater sands
Ojo Alamo Ss			2420	2704	Aquifer (possible freshwater)
Kirtland Shale			2704	2933	Possible gas
Fruitland			2933	3130	Coal/Gas/Water
Pictured Cliffs Ss			3130	3203	Gas
Lewis Shale			3203	4000	
Chacra			4000	PBTD	Gas
Cliff House Ss					
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- BLM picks for the Kirtland and Ojo Alamo formation tops vary from Operator based on subject well completion report and logs from Reference Well #2.
- Adjust cement volumes above the CR for Plug #2 to cover the interval from 3120' (CR depth) to 2370' so that BLM picks for the Ojo Alamo and Kirtland formation tops are covered.
-
- The plugs proposed in the P&A procedure, with recommended changes, will adequately protect any freshwater sands in this well bore.
- Pictured Cliffs perms 3132' – 3148'.
- Chacra perms 4016' – 4038'.

Reference Well:

1) **Formation Tops**
Same

2) **Formation Tops**
Hilcorp Energy Company
Jicarilla 20 #6
960' FSL, 1650' FWL
Sec. 19, T25N, R04W
7334' KB

Prepared by: Chris Wenman

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 120812

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 120812
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	6/29/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	6/29/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	6/29/2022